

Date: Fri, 16 Sep 94 04:30:25 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #308
To: Ham-Digital

Ham-Digital Digest Fri, 16 Sep 94 Volume 94 : Issue 308

Today's Topics:

 Autoexec.nos ??
 Canadian Callsign Database Available
 HDLC protocol chips
 jnos 1.10f lockups
 JNOS as a Domain Name Server
 JNOS questions
List of LEO Satellite companies needs completion
 NET_Mac2.3.44.sea.hqx.text
 Packet mobile extender?
 PKT<>Internet gateway
 Stupid? Question

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 14 Sep 1994 10:32:05
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!
EU.net!ub4b!idefix.CS.kuleuven.ac.be!rc1.vub.ac.be!artipc2!dany@network.ucsd.edu
Subject: Autoexec.nos ??
To: ham-digital@ucsd.edu

I want to get started with wnos4a8 or later. The autoexec.nos
packed in the package seems to have some mistakes in it giving
errors at startup. Can someone point me to an autoexec.nos file
that compatible with this version of wnos. Also, are there
programs (free) available by ftp that have a better user interface
, but with the same functionality.

Also, the program complains that it can't find a number of .dat files. The manual says they are created by the program after some time. I haven't seen any changes in this. Should I give some sort of command for this?

Thanks in advance

dany@arti.vub.ac.be

Date: 14 Sep 1994 23:05:02 -0400
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!math.ohio-state.edu!howland.reston.ans.net!swiss.ans.net!newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@network.ucsd.edu
Subject: Canadian Callsign Database Available
To: ham-digital@ucsd.edu

In article <goobie.10.000B2042@cfcsc.dnd.ca>, goobie@cfcsc.dnd.ca (Keith Goobie) writes:

>Thanks to Rob VE7FU and Phil VE3RD, the latest Canadian callsign database is
>now available. The file is called HAMFLAT4.ZIP and can be accessed by
>anonymous FTP to cfcsc.dnd.ca>

>It is located in the /hamradio/callbook section..

>Please send me a note if you have any problems accessing this data.

>73

>Keith VE30Y @ VA3BBS

Canadian Callsign database is also on the latest (summer 94) edition of QRZ Ham Radio CD ROM (along with UK, Italy and US). Published by Walnut Creek As low as \$15 US at computer shows

Nifty Windows front-end (as well as DOS)

73

John - WB2YGF

Date: Wed, 14 Sep 1994 22:43:45 GMT
From: world!dts@uunet.uu.net

-Have someone custom compile you a version with the features you need. The pre-compiled versions probably have too much baggage compiled in.

These two suggestions have certainly worked for me here and others in the area.

JNOS 1.10G has been up steadily for days here under heavy load, with 3 radio ports and an ethernet connection. It does work.

Good luck

--

Dave Ewaldz THE INGERSOLL MILLING MACHINE CO.
 Rockford, Illinois, Usa
Internet - dme@ingersoll.com
Amprnet - n9hkm%n9hkm.ampr.org@ke9yq.ampr.org
ax25 mail - n9hkm%n9hkm.#ncil.il.usa.na
Ma-Bell - (815)-633-7031

Date: Fri, 16 Sep 1994 07:45:28 GMT
From: iglou!gregl.slip.iglou.com!ke4dpx@uunet.uu.net
Subject: JNOS as a Domain Name Server
To: ham-digital@ucsd.edu

In article <moores.21.00128FDF@mailserv.nbnet.nb.ca> moores@mailserv.nbnet.nb.ca (Stephen M. Moore) writes:

>Has/can jnos be made to act as a domain name server? If so, can someone point >me in the right direction as to how to set the thing up?

Add all the entries you need to the domain.txt file then have stations add you as the name server (domain addserver hostname) and enable domain name servers (domain dns on). The stations will first try to find the IP address by looking in their own domain.txt file, then they'll try each domain name server if it isn't known locally.

>I am running version 1.08 under MSDOS.

FYI, the latest is JNOS 1.10g.

=====
73 de Greg AMPRNet - ke4dpx@ke4dpx.ampr.org [44.106.56.35]
 AX.25 - ke4dpx@wi9p.#ncky.ky.usa.noam
 Internet - gregl@iglou.com
=====

Date: Fri, 16 Sep 1994 08:13:35 GMT
From: iglou!greg1.slip.iglou.com!ke4dpx@uunet.uu.net
Subject: JNOS questions
To: ham-digital@ucsd.edu

In article <1994Sep15.170531.5685@govonca.gov.on.ca> rumbalj@govonca.gov.on.ca
(John Rumball) writes:

> Thank you for reading this. I am just beginning to get my JNOS v1.10g
> station up and running here and I have a few things I'd like cleared up. If
> you can help me, please let me know.

>1) What is the purpose of the NET.RC file?

The net.rc file contains a list of sites, usernames and passwords that are
used to automatically log you into FTP servers.

>2) What does a typical NET.RC file look like?

Typically you'll have a list of FTP sites that you visit regularly along with
the username and password of that system. For example, my system is
ke4dpx.ampr.org and I typically type 'ftp ke4dpx' to get to my own system. I
also regularly connect to k4dmu.ampr.org by typing 'ftp k4dmu'. So the two
entries in my net.rc file are:

```
ke4dpx ke4dpx password
k4dmu ke4dpx password
```

>3) When I log into the mbox portion of the system from my console, and I
> post a message to a user at an AX.25 bbs system, where does the file
> go when I finish typing it and enter the /ex?? I use "L> user" but
> cannot get a listing of the file. Am I looking in the wrong place?

This is one of the most confusing aspects of NOS, or so it seems. Most people
are used to F6FBB and its idea of 'one size fits all' message system (Ick!).
NOS uses a folder-type system for messages so messages to me are stored in the
ke4dpx folder, messages to Dean are stored in the kb7qdi folder, messages to
Bruce are in the kd4uld folder, etc.

To check messages in a folder, type a followed by the name of the folder. For
example, 'a ke4dpx' puts me in my personal folder. Note that these are
personal folders so only the receiver and the sysop have access to them.

You can also have public folders that anyone can get to. Public folders are
specified in the /spool/areas file by including the name of the folder (8
characters max) followed by a description. For example, on my system I have

all, clubs, tcpip, and newslines folders so my /spool/areas file looks like this:

```
all      General chit-chat
clubs    Amateur Radio Clubs
newslines Amateur Radio Newslines
tcpip    General TCP/IP and NOS messages
```

Type a by itself to see a list of public folders, or af to see the list with the descriptions.

>4) What determines the method of mbox message transfer (ax25 vs. smtp)
> that JNOS will use when transferring mail between two JNOS stations?

This is determined by a combination of the /domain.txt file, the /spool/forward.bbs file, and the /spool/rewrite file. By default if you have an IP address for someone in the /domain.txt file, mail to that person is sent directly to him via SMTP. For example, Joe K4DMU runs a NOS station locally so I have an entry for him in my domain.txt file:

```
k4dmu.ampr.org. IN A 44.106.56.201
```

When I send mail to Joe, NOS automatically connects to him and puts the mail on his system via SMTP. Other mail must be handled with the /spool/rewrite file. This file basically tells the system how to deal with and where to put mail to unknown systems. This file also gets to be rather complicated, but an easy solution is to have one entry for each person. For example, I regularly send mail to Dean KB7QDI and that mail is put into a mail folder on my system. The entry in spool/rewrite that handles this is:

```
kb7qdi@* kb7qdi
```

Thus I can send mail to kb7qdi, kb7qdi@wi9p, kb7qdi@wi9p.#ncky.ky.usa.noam, etc. and it still goes in the local kb7qdi folder.

> These things may be trivial to the experienced JNOS user, but to me they
>are puzzling. I have had experience as the sysop of an MSYS bbs a few years
>ago, but JNOS is totally new! Therefore, any help you can provide
>is appreciated.

I strongly recommend you pick up a copy and read *NOSintro* for more detailed information. This book is available from the ARRL and is an excellent introductory text for NOS. It does go into quite a bit of detail on mail forwarding, routing, etc.

=====
73 de Greg AMPRNet - ke4dpx@ke4dpx.ampr.org [44.106.56.35]

AX.25 - ke4dpx@wi9p.#ncky.ky.usa.noam
Internet - greg1@iglou.com

=====

Date: 14 Sep 1994 20:28:11 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
library.ucla.edu!csulb.edu!nic-nac.CSU.net!rosebud.sdsc.edu!acsc.com!wp-
sp.nba.trw.com!ns1.nba.trw.com!news@network.
Subject: List of LEO Satellite companies needs completion
To: ham-digital@ucsd.edu

LEO Mobile Satellite Communications Systems on the Horizon

ù MSS "Little" LEO's Below 1 Ghz
LEO ONE Panamericana (LEO ONE), Mexico ... 8 Satellites
OSC (Orbcom), USA ... 36 Satellites
Smallsat (Gonetz), Russia ... 36 Satellites
Starsys (Starnet), USA ... 24 Satellites
VITA (VITA), USA ... 2 Satellites
+ Others: e.g. TAOS/S80T (France), Temisat (Italy), Ariadne
(Ukraine), etc.

ù MSS "Big" LEO's Above 1 Ghz
Constellation Communications, Inc. (Aries), USAA ...~48~Satellites
ELLIPSAT CORP. (ELLIPSO), USA ... 16 Satellites
Loral/Qualcomm Satellite Sevice (Gobalstar), USA ...~48~Satellites
Motorola (Iridium), USA ... 66 Satellites
TRW (Odyssey), USA ... 12 Satellites
+ Others: e.g. Signal (Russia), Project 21 (Inmarsat), LE01 (Tonga,
etc.)

ù FSS Broadband LEO's at 20-30 Ghz
Teledesic Corporation (Teledesic), USA ... 924 Satelllites

Date: 16 Sep 94 11:03:59 GMT
From: news-mail-gateway@ucsd.edu
Subject: NET_Mac2.3.44.sea.hqx.text
To: ham-digital@ucsd.edu

The Netherlands, September 16, 1994.

Hello dear reader,

Today I distributed NET_Mac2.3.44.sea.hqx...

For those who don't know NET/Mac... NET/Mac is the application that supports TCP/IP over packet-radio, which means, that hamradio operators can use NET/Mac for their wireless TCP/IP network...

In this version of NET/Mac I implemented the following:

- Save some space in 'ax heard' output
- Display transmissiontime and -speed at the end of an ftp get/put
- Let UDP report 'port unreachable'... TRACEROUTE needs that...
- Inform us about an AppleTalk/ethernet gateway if one is present indeed
- The NET/Mac versionnumber will now be recorded in TRACE-files correctly

This version obsoletes all versions of info-mac/comm/radio-net-mac in the Sumex-Aim archives.

The new NET/Mac has (hopefully) been uploaded to:
ftp.ucsd.edu, to the directory hamradio/packet/tcpip/incoming.
If it's not there then look at hamradio/packet/tcpip/mac.

Scott WY1Z may have also uploaded the new version to:
oak.oakland.edu, to the directory pub/hamradio/mac/digital

Kind regards,

Adam PA2AGA (e-mail: adam@iag.tno.nl)
(or: pa2aga@iag.tno.nl for letters only, NO BIG files here)

Date: 15 Sep 1994 04:58:41 GMT
From: linet02.li.net!usenet@uunet.uu.net
Subject: Packet mobile extender?
To: ham-digital@ucsd.edu

In article <3570e0\$3ee@thecourier.cims.nyu.edu>, jackson@longlast.cs.nyu.edu (Steven Jackson) says:

>

>Has anyone used their car as a digipeater for an HP95LX?

I've used my car as a crossband repeater for my 100LX/PacComm Handipacket/HT combo while in the dentist office waiting for my wife... Worked well..

* :JOE TOMASONE: GOD IS REAL; UNLESS DECLARED INTEGER *

* INTERNET: jtomason@li.net AMPR AX.25: N2MU0@N2BQF.#NLI.NY.USA *

Date: 11 Sep 1994 18:44:25 GMT
From: elroy.jpl.nasa.gov!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!
yeshua.marcam.com!zip.eecs.umich.edu!umn.edu!newsdist.tc.umn.edu!urville.msus.edu!
TIGGER.STCLOUD.MSUS.EDU!JOHANB01@ames.
Subject: PKT<>Internet gateway
To: ham-digital@ucsd.edu

Does anyone have up and running a packet to internet gateway.
I am looking for details on hareware/software that is used.
I have some ideas but rather than reinvent the wheel I'd like to
get sugestions from someone that already has a gate up. This
gate would be located on campus at our club station.
Any ideas and sugestions are appreciated.
73 Brad KBOHNN

-----SCSU ACS Network Technician-----
| Brad Johannes KBOHNN KBOHNN@NF0H.#CMN.MN.USA.NOAM |
| 13451 Ct.Rd.131 JOHANB01@TIGGER.STCLOUD.MSUS.EDU |
| Holdingford MN, 56340 (612)746-2452 KBOHNN-1 on 147.555|
| _____STANDARD DISCLAIMER APPLIES, MY VIEWS ARE MY OWN_____/

Date: 16 Sep 1994 01:00:48 GMT
From: ihnp4.ucsd.edu!qualcomm.com!bharding.qualcomm.com!user@network.ucsd.edu
Subject: Stupid? Question
To: ham-digital@ucsd.edu

Ok..
I'm a new Ham/digital kind of guy with a thirst for Knowledge.
Can some one point me in the right direction to find out:

- 1) Recemended mailing lists and/or packet stuff servers
- 2) BTW, What is JNOS? (sure is a popular topic!).

Thanks,
Bill Harding
KE6tbd

I speak for no entity (or person) except myself. etc.
Sorry no cute signature here.

Date: 15 Sep 1994 15:24:38 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-
state.edu!darwin.sura.net!news.larc.nasa.gov!arbd0.larc.nasa.gov!
zawodny@network.ucsd.edu
To: ham-digital@ucsd.edu

References <rsnyder-1009941711490001@wintermute.motown.ge.com>,
<352f7a\$6kf@eldborg.rhi.hi.is>, <RSNYDER.94Sep14102124@boot108a.astro.ge.com>ov
Subject : Re: KPC-9612/Starting out

In article <RSNYDER.94Sep14102124@boot108a.astro.ge.com> rsnyder@astro.ge.com (Bob Snyder) writes:

>>>>> "N3KFH" == Donald Lee Dietz <ddietz@rhi.hi.is> writes:
>
> N3KFH> In <rsnyder-1009941711490001@wintermute.motown.ge.com>
> N3KFH> rsnyder@astro.ge.com (Bob Snyder) writes:
>
> N3KFH> If you can afford the cost of the KPC-9612 now, then buy it
> N3KFH> now, or you'll regret it later.

Good idea!

>Or would it make more sense to buy the KPC-3 now, and get something
>beyond the KPC-9612 when I actually know what I'm doing? :-)

No, get the 9612 since if you stay in packet, you'll want the 9600 capability
otherwise the 9612 will bring a good price when you sell it later :-)

> >> Also, can the KPC-9612 do HF packet?
>
> N3KFH> A resounding NO, comes to mind here. This is only good for
> N3KFH> vhf and above due to the modulating frequency shift size.
> N3KFH> It results in too large a bandwidth for use on hf bands...
>
>So what does it take to do HF packet?

This will probably start a flame, but so what. Why are you fascinated by
HF packet? Are you really or do you want the other HF digital modes? HF
packet is a joke at 300 baud (yes, I know about 1200 baud on 10 meters -
maybe in another 7 years when the solar cycle picks up again). The few
who are active on HF packet I have found are an unfriendly bunch who just
want to pass traffic. Unless you intend to set up a BBS for a remote area
I'd steer clear of HF packet.

If you really want to do HF packet buy a KPC-9612 and I'll trade you even
for my Kantronics KAM.

--

Joseph M. Zawodny (K04LW)
Internet: zawodny@arbd0.larc.nasa.gov
TCP/IP: ko4lw@ko4lw.ampr.org

NASA Langley Research Center
MS-475, Hampton VA, 23681-0001
Packet: ko4lw@n4hog.va.usa

End of Ham-Digital Digest V94 #308
